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DEC 02 2004

PATENT
DOCKET NO.: 11471.00.0017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
SHANBHAG ET AL.) Group Art Unit: 2634
Application No.: 10/768,408) Confirmation No.: 6928
Filed: January 30, 2004) Examiner: Stephen Chin
For: DECISION FEEDBACK)
EQUALIZER WITH DYNAMIC)
FEEDBACK CONTROL)

Attention: Examiner Stephen Chin
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF FACSIMILE TRANSMISSION
I hereby certify that this Statement of Added Original
Erroneously Not Named Inventor is being facsimile
transmitted to the United States Patent & Trademark Office,
at 703-872-9306, in accordance with 37 C.F.R. §1.8, on this
date 12/2, 2004.

Nanette Combs
Nanette Combs

STATEMENT OF ADDED ORIGINAL
ERRONEOUSLY NOT NAMED INVENTOR

Edem Ibragimov of 4231 Norwalk Dr., #EE-113, San Jose, California 95129,
Citizenship: USA, hereby states that I am one of the original co-inventors of the invention
disclosed and claimed in the above-identified application. Through error and without deceptive
intention I was not named as a co-inventor.

Respectfully submitted,

Dated:

11/10/04

By:

Edem Ibragimov

PATENT
DOCKET NO.: 11471.00.0017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
SHANBHAG ET AL.) Group Art Unit: 2634
Application No.: 10/768,408) Confirmation No.: 6928
Filed: January 30, 2004) Examiner: Stephen Chin
For: DECISION FEEDBACK)
EQUALIZER WITH DYNAMIC)
FEEDBACK CONTROL)

)

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this Assent of Assignee to
Addition of Inventor is being facsimile transmitted to the
United States Patent & Trademark Office, at 703-872-9306,
in accordance with 37 C.F.R. §1.8, on this date
12/2, 2004.

Nanette Combs
Nanette Combs

ASSENT OF ASSIGNEE TO ADDITION OF INVENTOR

Scintera Networks, Inc., a corporation of the State of Delaware, having offices at 4340 Stevens Creed Boulevard, #260, San Jose, California 95129, is the assignee of the above-identified patent application by assignment from Edem Ibragimov as being filed concurrently herewith for recording in the U.S. Patent and Trademark Office. Assignment from original inventors was filed on July 29, 2004 for recording with the U.S. Patent and Trademark Office. A copy of the executed Assignments are enclosed herewith evidencing Assignee's ownership of this application under 37 C.F.R. § 3.73(b), and thus Assignee's authority to take this action.

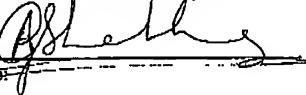
Assignee hereby assents to the correction of inventorship filed concurrently herewith.

Respectfully submitted,

SCINTERA NETWORKS, INC.

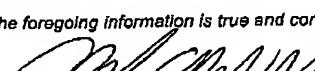
Dated: 11/6/04

By:

Name: 

Title:

COPY

Form PTO-1595 (Rev. 1/02) OMB No. 0651-0027 (exp. 6/30/2005)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
<p>To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.</p> <p>1. Name of conveying party(ies): Abhijit G. Shanbhag, Qian Yu, Abhijit M. Phanse, Jishnu Bhattacharjee, Debanjan Mukherjee, Venugopal Balasubramonian, and Fabian Giroud Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ </p> <p>Execution Date: _____</p> <p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) 10/768,408 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </p> <p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Mark A. Dalla Valle Internal Address: Vedder, Price, Kaufman & Kammholz, P.C. Street Address: 222 N. LaSalle St. City: Chicago State: IL Zip: 60601 </p> <p>6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41).....\$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account </p> <p>8. Deposit account number: 22-0259 (Attach duplicate copy of this page if paying by deposit account) </p> <p>9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Mark A. Dalla Valle Name of Person Signing: _____  Signature _____ Date: July 29, 2005 </p> <p>DO NOT USE THIS SPACE</p> <p>Total number of pages including cover sheet, attachments, and documents: 5</p>				

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. *R. L. Jones, III*

Mark A. Dalla Valle

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignment

Wash. D.C. 20231

ASSIGNMENT

WHEREAS, WE, Abhijit G. Shanbhag, Gian Yu, Abhijit M. Phanse, Jishnu Bhattacharjee, Debajan Mukherjee, Venugopal Balasubramanian, and Fabian Giroud, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: DECISION FEEDBACK EQUALIZER WITH DYNAMIC FEEDBACK CONTROL

Application Execution Date: January 30, 2004

Filing Date: January 30, 2004 Appn. No.: 10/768,408

WHEREAS, SCINTERA NETWORKS, INC., a corporation of the State of Delaware, 4340 Stevens Crood Boulevard, #260, San Jose, California 95129, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to Assignors by Assignee, receipt of which is hereby acknowledged, Assignors has sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 7/23/04



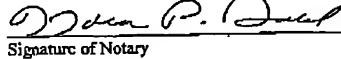
ABHIJIT G. SHANBHAG

State of California

County of Santa Clara

On 7/23/04 before me, NORA P. DAHL, Notary Public
 personally appeared ABHIJIT G. SHANBHAG, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

PATENTSerial No. 10/768,408
Attorney Docket No. [11471.00.0017]

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 07/23/2004


QIAN YU

Q. Y.

State of CaliforniaCounty of Santa Clara

On 7/23/04 before me, NORA P. DAHL, Notary Public
 personally appeared QIAN YU, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

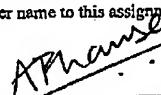
WITNESS my hand and official seal.



Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 7/23/2004


ABHUIT M. PHANSE

State of CaliforniaCounty of Santa Clara

On 7/23/04 before me, NORA P. DAHL, Notary Public
 personally appeared ABHUIT M. PHANSE, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Signature of Notary

SEAL

CHICAGO/#1254317.1

PATENT

Serial No. 10/768,408
Attorney Docket No. [11471.00.0017]

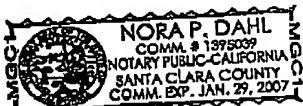
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 07/23/07

 JISHNU BHATTACHARJEE
State of CaliforniaCounty of Santa Clara

On 7/23/04 before me, NORA P. DAHL, Notary Public, personally appeared JISHNU BHATTACHARJEE, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

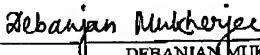
WITNESS my hand and official seal.



 Signature of Notary

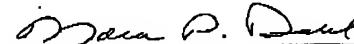
SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 07/23/04

 DEBANJAN MUKHERJEE
State of CaliforniaCounty of Santa Clara

On 7/23/04 before me, NORA P. DAHL, Notary Public, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

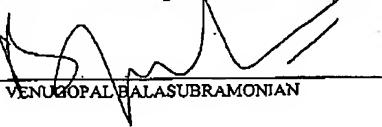


 Signature of Notary

SEAL

PATENT
 Serial No. 10/768,408
 Attorney Docket No. [11471.00.0017]

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 23rd July 2004



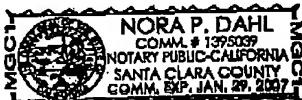
VENUGOPAL BALASUBRAMONIAN

State of California

County of Santa Clara

On July 23, 2004 before me, Nora P. Dahl, Notary Public, personally appeared VENUGOPAL BALASUBRAMONIAN, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

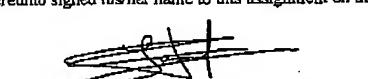


SEAL

Nora P. Dahl
 Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the dates indicated below.

Dated: 23rd July 2004



FABIAN GIROUD

State of California

County of Santa Clara

On 7/23/04 before me, Nora P. Dahl, Notary Public, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



SEAL

Nora P. Dahl
 Signature of Notary

CHICAGO/#1254317.1

COPY

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PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration
Submitted
With Initial
FilingDéclaration
Soumise après la dépôt
(37 CFR 1.16 (e))
nécessaire

OR

Attorney Docket Number 11471.00.0017

First Named Inventor Shanbhag et al.

COMPLETE IF KNOWN

Application Number 10/768,408

Filing Date January 30, 2004

Art Unit 2631

Examiner Name TBD

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DECISION FEEDBACK EQUALIZER WITH DYNAMIC FEEDBACK CONTROL

(Title of the Invention)

the specification of which

 is attached hereto

OR

 was filed on (MM/DD/YYYY) 01/30/2004 as United States Application Number or PCT International

Application Number 10/768,408 and was amended on (MM/DD/YYYY) _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(e)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Numbers)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? Yes	Certified Copy Attached? No

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/01 (05-03)

Approved for use through 07/31/2003. OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: Customer Number: 23418 OR Correspondence address below

Name
Mark A Dalla Vallé, Esq., VEDDER PRICE KAUFMAN & KAMMHOLZ, P.C.

Address
222 North LaSalle Street

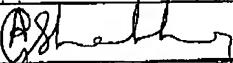
City Chicago	State Illinois	ZIP 60601
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Country USA	Telephone (312) 609-7620	Fax (312) 609-5005
----------------	-----------------------------	-----------------------

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Abhijit G.	Family Name or Surname Shanbhag
--	------------------------------------

Inventor's Signature 	Date 07/23/04
---	------------------

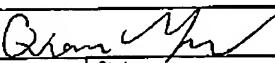
Residence: City San Jose	State CA	Country USA	Citizenship India
-----------------------------	-------------	----------------	----------------------

Mailing Address
4250 Albany Dr., #F-106

City San Jose	State CA	ZIP 95129	Country USA
------------------	-------------	--------------	----------------

NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Qian	Family Name or Surname Yu
--	------------------------------

Inventor's Signature 	Date 07/23/2004
---	--------------------

Residence: City Cupertino	State CA	Country USA	Citizenship P.R. China
------------------------------	-------------	----------------	---------------------------

Mailing Address
20990 Valley Green Drive, Apt. 629

City Cupertino	State CA	ZIP 95014	Country USA
-------------------	-------------	--------------	----------------

Additional inventors or a legal representative are being named on the 2 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

PTO/SB/02A (05-03)

Approved for use through 08/31/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION		ADDITIONAL INVENTOR(S)	
		Supplemental Sheet	
		Page _____ of _____	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Abhijit M. <i>Abhijit M.</i>		Family Name or Surname Phanse	
Inventor's Signature	Date 7/23/04		
Residence: City Santa Clara 444 Saratoga Avenue Mailing Address	CA State	USA Country	India Citizenship
Mailing Address Santa Clara City	CA State	Zip 95050	USA Country
Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Jishnu <i>Jishnu Bhattacharjee</i>		Family Name or Surname Bhattacharjee	
Inventor's Signature	Date 07/23/04		
Residence: City San Jose Mailing Address 4337 Norwalk Drive #N-164 Mailing Address	CA State	USA Country	India Citizenship
San Jose City	CA State	Zip 95129	USA Country
Name of Additional Joint Inventor, if any:	<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any)) Debanjan <i>Debanjan Mukherjee</i>		Family Name or Surname Mukherjee	
Inventor's Signature	Date 07/23/04		
Residence: City San Jose Mailing Address 4291-4337 Norwalk Drive Mailing Address N-184 V310	CA State	USA Country	India Citizenship
San Jose City	CA State	Zip 95129	USA Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/02A (08-03)

Approved for use through 08/31/2003, OMB 0851-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet	
		Page _____ of _____	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Venugopal		Balasubramonian	
Inventor's Signature			Date 07/23/04
Residence: City San Jose	CA State	USA Country	India Citizenship
4435 Albany Drive Mailing Address			
#88 Mailing Address			
San Jose City	CA State	95129 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Fabian		Giroud	
Inventor's Signature			Date 07/23/04
Residence: City San Jose	CA State	US Country	France Citizenship
4250 Albany Drive Mailing Address			
F-301 Mailing Address			
San Jose City	CA State	95129 Zip	US Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature	Date		
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/02A (09-04)

Approved for use through 07/31/2006. OMB 0551-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION		ADDITIONAL INVENTOR(S)	Page _____ of _____
		Supplemental Sheet	

Name of Additional Joint Inventor, if any:		<input checked="" type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
EDEM		IBRAGIMOV	
Inventor's Signature	11/10/04		Date
San Jose Residence: City	California State	US Country	US Citizenship
4231 Norwalk Dr., #EE-113			
Mailing Address			
San Jose City	California State	95129 Zip	US Country
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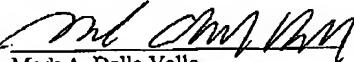
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